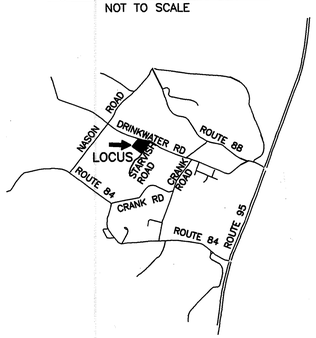
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 140 CHATFIELD–HOLLIS–CANTON

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = APPROVED PLANS

#1 SET NAIL POLE EL 48.73

#2 SET NAIL ROOT 36" MAPLE EL 54.61

#3 TOP OF WELL EL 54.79

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 52.8
2. THERE IS/ARE APPROX 1.3' FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

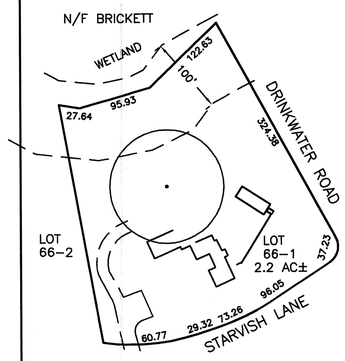
50 / (50)	EXISTING CONTOUR
	PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

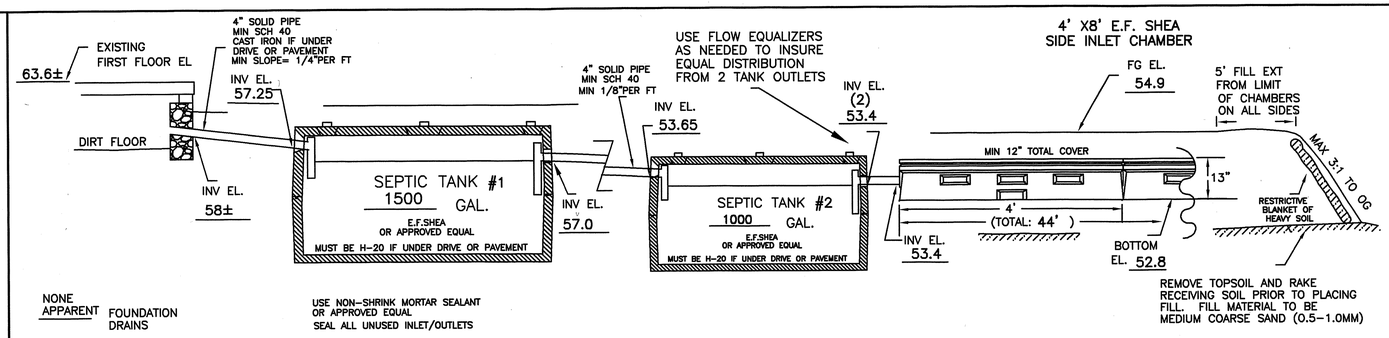
   RCRD PLAN D30454

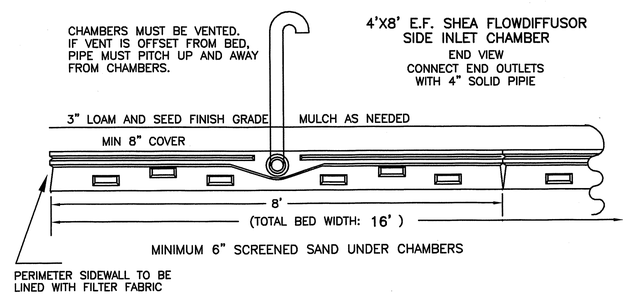
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: SA 2002003757
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.



PLOT PLAN

1"=APPROX 100'


63.6±
EXISTING FIRST FLOOR EL
DIRT FLOOR
4" SOLID PIPE MIN SCH 40 CAST IRON IF UNDER DRIVE OR PAVEMENT MIN SLOPE= 1/4"PER FT
INV EL. 57.25
INV EL. 58±
SEPTIC TANK #1 1500 GAL.
E.F.SHEA OR APPROVED EQUAL
MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 57.0
INV EL. 53.65
USE FLOW EQUALIZERS AS NEEDED TO INSURE EQUAL DISTRIBUTION FROM 2 TANK OUTLETS
INV EL. (2) 53.4
SEPTIC TANK #2 1000 GAL.
E.F.SHEA OR APPROVED EQUAL
MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
INV EL. 53.4
4' X8' E.F. SHEA SIDE INLET CHAMBER
FG EL. 54.9
5' FILL EXT FROM LIMIT OF CHAMBERS ON ALL SIDES
MIN 12" TOTAL COVER
13"
MAX 3:1 TO OG
4'
(TOTAL: 44')
BOTTOM EL. 52.8
RESTRICTIVE BLANKET OF HEAVY SOIL
NONE APPARENT FOUNDATION DRAINS
USE NON-SHRINK MORTAR SEALANT OR APPROVED EQUAL
SEAL ALL UNUSED INLET/OUTLETS
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM COARSE SAND (0.5–1.0MM)


CHAMBERS MUST BE VENTED. IF VENT IS OFFSET FROM BED, PIPE MUST PITCH UP AND AWAY FROM CHAMBERS.
4'X8' E.F. SHEA FLOWDIFFUSOR SIDE INLET CHAMBER
END VIEW
CONNECT END OUTLETS WITH 4" SOLID PIPIE
3" LOAM AND SEED FINISH GRADE
MULCH AS NEEDED
MIN 8" COVER
8'
(TOTAL BED WIDTH: 16')
MINIMUM 6" SCREENED SAND UNDER CHAMBERS
PERIMETER SIDEWALL TO BE LINED WITH FILTER FABRIC

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

FROM APPROVED PLANS BY OTHERS

TEST PIT 62

FAILS TOWN REQUIREMENT FOR SEASONAL HIGH WATER TABLE

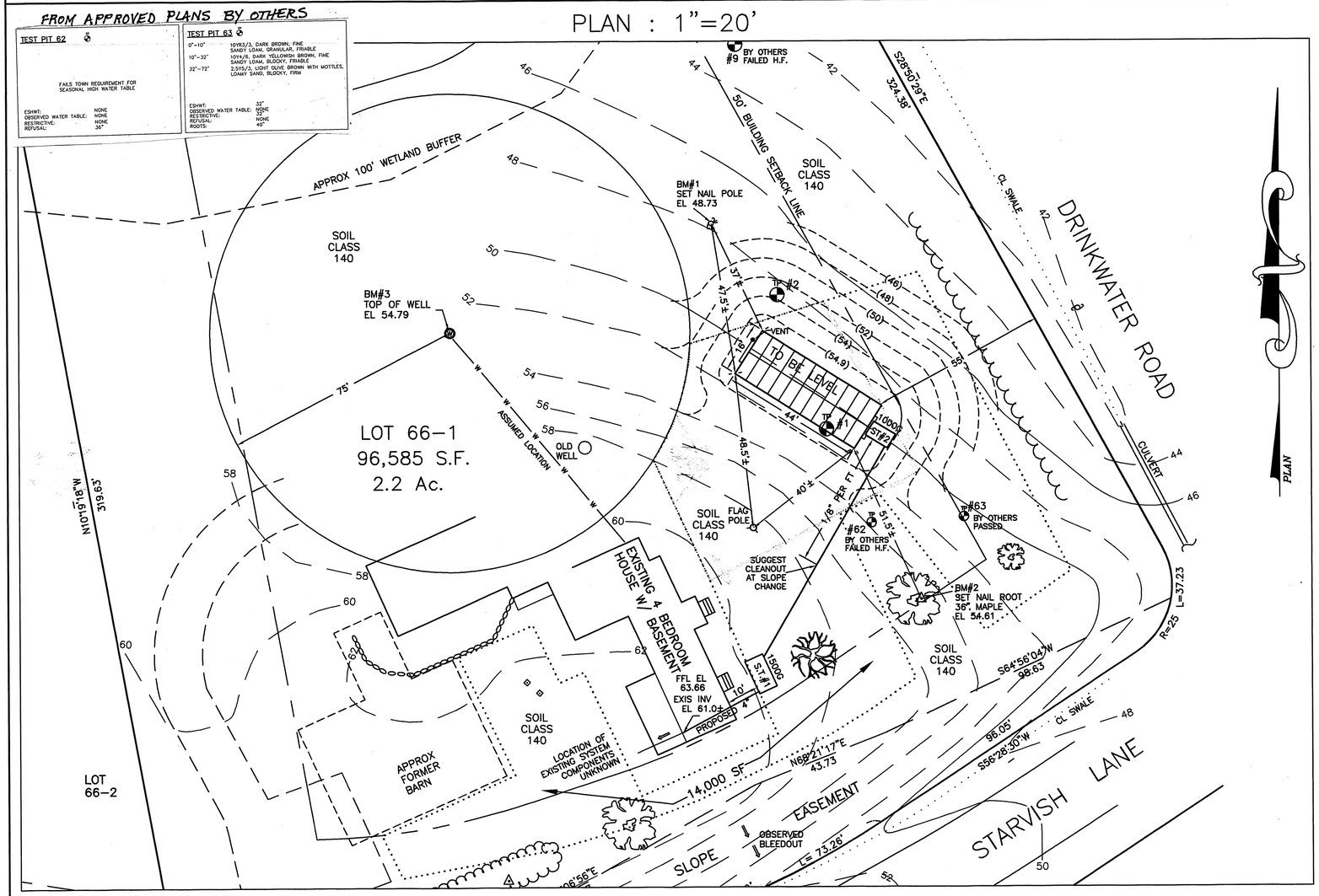
ESHWT: NONE
OBSERVED WATER TABLE: NONE
RESTRICTIVE: NONE
REFUSAL: 36"

TEST PIT 63

0"–10"	10YR3/3, DARK BROWN, FINE SANDY LOAM, GRANULAR, FRIABLE
10"–32"	10YR4/6, DARK YELLOWISH BROWN, FINE SANDY LOAM, BLOCKY, FRIABLE
32"–72"	2.5Y5/3, LIGHT OLIVE BROWN WITH MOTTLES, LOAMY SAND, BLOCKY, FIRM

ESHWT: 32"
OBSERVED WATER TABLE: NONE
RESTRICTIVE: 32"
REFUSAL: NONE
ROOTS: 40"

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: 4/25/05 TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 EL 51.5

0 –12" 10YR3/2 FINE SANDY LOAM, GRANULAR FRIABLE
12–32" 10YR5/6 GRAVELLY FSL, GRANULAR FRIABLE
32–84" 2.5Y5/4 LOAMY FINE SAND, BLOCKY FRIABLE
ESHWT @ 32" (MOTTLING), NO OBS H2O, NO REFUSAL

TEST PIT #2 EL 48.5

0 – 8" 10YR3/2 FINE SANDY LOAM, GRANULAR FRIABLE
8–22" 10YR5/4 VERY FINE SANDY LOAM, GRAN FRIABLE
22–76" 2.5Y5/4 SILT LOAM, BLOCKY FIRM
ESHWT @ 22", ROOTS TO 3'+, NO OBSERVED WATER
NO REFUSAL

PT PERC TEST DATA

DATE 4/25/05

PERC RATE: 6 MIN/IN DEPTH: 24"

DESIGN LOADING: EXISTING 4 BEDROOM HOUSE

AREA REQUIRED: 900 SF X 0.6 (CHAMBERS) = 540 SF (DES)
540 SF X 1.25 (HAMPTON FALLS) = 675 SF

AREA PROPOSED: 22 4X8S CHAMBERS FOR 16' X 44' = 704 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 64 DRINKWATER ROAD
HAMPTON FALLS, NH

OWNER: NATHAN E. UNDERWOOD
64 DRINKWATER ROAD
HAMPTON FALLS, NH 03844

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Kim W. Stockton No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: 05/02/05 REV 5/12/05

APPROVAL: CA2005073391